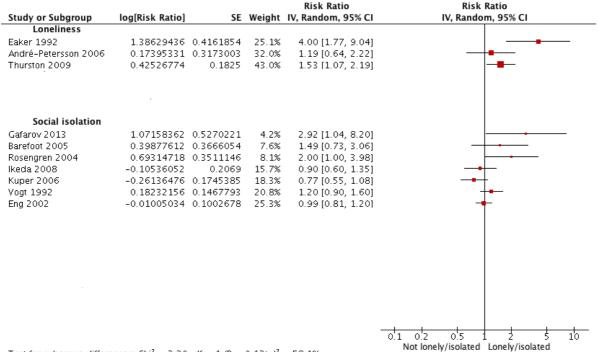
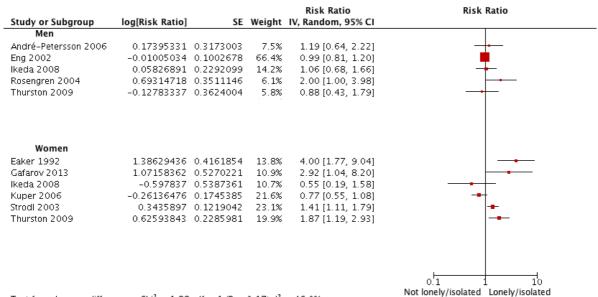
Appendix 5 Subgroup analyses of CHD studies

a) According to social relationship domain (loneliness v. social isolation)



Test for subgroup differences: $Chi^2 = 2.39$, df = 1 (P = 0.12), $I^2 = 58.1\%$

b) According to gender



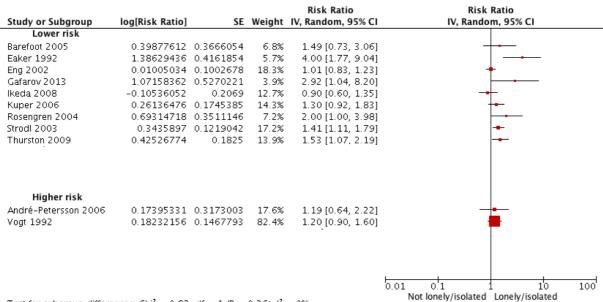
Test for subgroup differences: $Chi^2 = 1.88$, df = 1 (P = 0.17), $I^2 = 46.9\%$

c) According to risk of confounding

				Risk Ratio	Risk Ratio
Study or Subgroup	log[Risk Ratio]	SE	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Lower risk					
André-Petersson 2006	0.17395331	0.3173003	9.3%	1.19 [0.64, 2.22]	
Barefoot 2005	0.39877612	0.3666054	7.7%	1.49 [0.73, 3.06]	
Eaker 1992	1.38629436	0.4161854	6.5%	4.00 [1.77, 9.04]	
Eng 2002	-0.01005034	0.1002678	20.6%	0.99 [0.81, 1.20]	+
lkeda 2008	-0.10536052	0.2069	14.3%	0.90 [0.60, 1.35]	
Rosengren 2004	0.69314718	0.3511146	8.2%	2.00 [1.00, 3.98]	
Thurston 2009	0.42526774	0.1825	15.7%	1.53 [1.07, 2.19]	_
Vogt 1992	0.18232156	0.1467793	17.8%	1.20 [0.90, 1.60]	 -
Higher risk					
Gafarov 2013	1.07158362	0.5270221	3.9%	2.92 [1.04, 8.20]	
Kuper 2006	0.26136476	0.1745385	33.2%	1.30 [0.92, 1.83]	 •
Strodl 2003	0.3435897	0.1219042	62.9%	1.41 [1.11, 1.79]	-
					0.1 0.2 0.5 1 2 5 1
Test for subaroup differe					Not lonely/isolated Lonely/isolated

Test for subgroup differences: $Chi^2 = 0.18$, df = 1 (P = 0.67), $I^2 = 0\%$

d) According to risk of bias due to measurement error - exposure



Test for subgroup differences: $Chi^2 = 0.83$, df = 1 (P = 0.36), $I^2 = 0\%$